

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

September 13, 2005

TO: Internal File

FROM: Stephen J. Demczak, Environmental Scientist III/Engineering, Team Lead

RE: Full Extraction Pillar 1st South, Consolidation Coal Company, Emery Deep Mine, C/015/015, Task ID #2321

SUMMARY:

The permittee has submitted an amendment due to full pillar extraction in the 1st South panel. This will be the first time that Consolidation Coal has planned subsidence. Consolidation Coal Company owns the surface property. There are no building or surface structures above the 1st South panel.

TECHNICAL ANALYSIS:

PERMIT EA

Regulatory Requirements: 30 CFR 783.12; R645-301-521.

Analysis:

The permit area will not change. The 1st South Panel was developed several years ago. The permittee wishes to re-enter the 1st South section and pull pillars.

Findings:

The permittee has met the minimum requirements of this section.

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MAPS, PLANS, AND CROSS SECTIONS OF RESOURCE FORMATION

Regulatory Reference: 30 CFR 783.24, 783.25; R645-301-323, -301-411, -301-521, -301-622, -301-722, -301-731.

Analysis:

Affected Area Boundary ps

No Change.

Coal Resource and Geologic Information ps

No Change.

Existing Structures and Facilities ps

No change.

Existing Surface Configuration ps

No change.

Mine Workings ps

When pillars are removed, the permittee will make changes to the mine map.

Permit Area Boundary ps

No change.

Surface and Subsurface Manmade Features ps

This map has been updated to reflect the stream buffer zones and area of extraction in 1st South.

Surface and Subsurface Ownership ps

No Change.

Findings:

The permittee has met the minimum requirements of this section.

OPERATION PLAN

MINING OPERATIONS AND **CILITIES**

Regulatory Reference: 30 CFR 784.2, 784.11; R645-301-231, -301-526, -301-528.

Analysis:

There are no facilities above the 1st South Panel.

Findings:

The permittee has met the minimum requirements of this section.

EXISTING **STRUCTURES:**

Regulatory Reference: 30 CFR 784.12; R645-301-526.

Analysis:

No existing structures are above the 1st South panel.

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Findings:

The permittee has met the minimum requirements of this section.

COAL COVERY

Regulatory Reference: 30 CFR 817.59; R645-301-522.

Analysis:

The coal recovery should increase by approximately 15 to 20 percent. The present pillar splitting plan estimates a 73% coal extraction.

Findings:

The permittee has met the minimum requirements of this section.

SUBSIDENCE CONTROL PLAN

Regulatory Reference: 30 CFR 784.20, 817.121, 817.122; R645-301-521, -301-525, -301-724.

Analysis:

Renewable Resources vey

There will be no loss of renewable resources. The surface is currently wildlife habitat. The permittee will repair all cracks or damage that could harm humans or wildlife.

Subsidence Control n

The permittee has committed in taking pictures at the subsidence monitoring points before and after pillar extraction.

Performance Standards For Subsidence ntrol

The permittee owns the surface lands above the 1st South panel. The area is wildlife habitat.

Notification

No notification is necessary since the land is owned by the permittee.

Findings:

The permittee has met the minimum requirements of this section.

ROAD SYSTEMS AND OTHER TRANSPORTATION FACILITIES

Regulatory Reference: 30 CFR Sec. 784.24, 817.150, 817.151; R645-301-521, -301-527, -301-534, -301-732.

Analysis:

Road Classification tem

No roads are in this area.

Findings:

The permittee has met the minimum requirements of this section.

SUPPORT FACILITIES AND UTILITY STALLATIONS

Regulatory Reference: 30 CFR Sec. 784.30, 817.180, 817.181; R645-301-526.

Analysis:

No surface facilities are above 1st South Panel.

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Findings:

The permittee has met the minimum requirements of this section.

RECOMMENDATIONS:

The permittee has met the minimum requirements and this amendment is recommended for approval.

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